

# REXNORD® REXTREME® ROLLER CHAIN

EXTREME PERFORMANCE BY REXNORD



## INDUSTRIES SERVED

- Automotive
- Tube Transport
- General Mechanical Engineering

## FEATURES

- Outstanding tribological characteristics
- Excellent sliding properties
- High fatigue strength and chain traction
- Improved protection against chain joint stiffness
- Chain sizes with pitch from 12.7 mm to 25.4 mm available
- Corrosion resistance over 120 hours
- No process-related hydrogen embrittlement
- Free of chromium VI
- Dimensions in accordance with DIN, ANSI and ISO standards

## ADVANTAGES

- Extremely long service life, even without relubrication
- Due to the optimal ex-works lubrication, no contamination of conveyed goods and surrounding area occurs
- A good-price performance ratio
- High energy efficiency

## LUBRICATION

- High performance and high temperature synthetic lubricant
- Temperature range from -5°C to +250°C
- Free of silicone
- Especially developed for automotive painting application
- Paint compatible lubrication

Rexnord ReXtreme Roller Chain is a maintenance-free roller chain for special applications. Certain treatments and synthetic high performance ex-works lubrication provide very good sliding characteristics for maintenance-free operations.

## MAINTENANCE-FREE

Due to the high performance and long-term lubrication the need for maintenance and relubrication is not necessary anymore. This is ideal in case the maintenance and lubrication possibilities are limited. A special coating in the chain joint offers excellent sliding characteristics.

## LONG WEAR LIFE

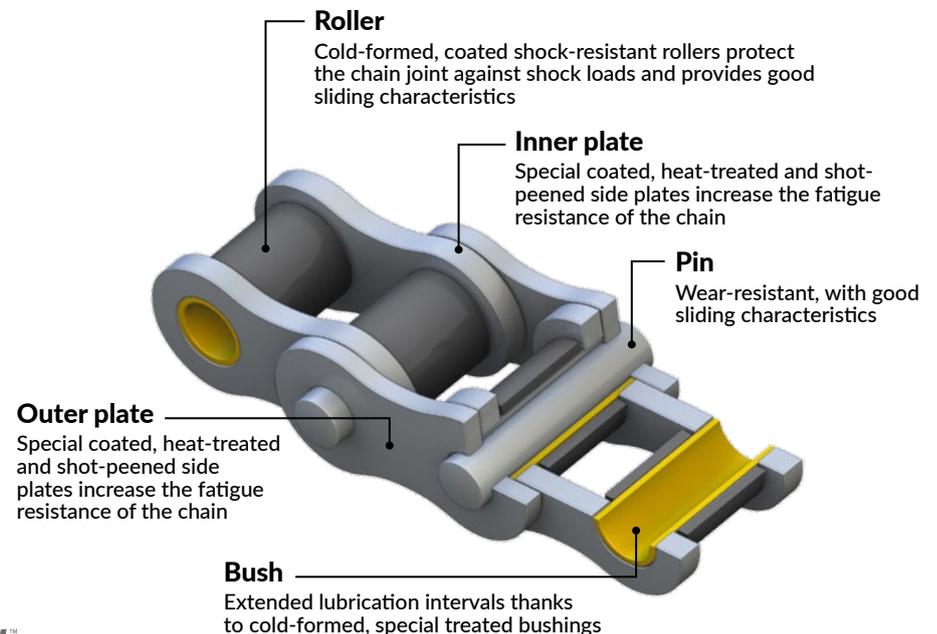
Even with minimum lubrication and especially for conveyor applications the Rexnord ReXtreme Roller Chain can be used maintenance-free. The chain contains improved protection against stiff joints and links.

## VERY GOOD CORROSION RESISTANCE

Another advantage of this chain is the outstanding corrosion resistance. The chain has been coated with anti-corrosion substance which makes the resistance intact for over 120 hours.

## SPECIAL LUBRICATION

The special Rexnord ReXtreme Lubrication is approved for conveyor and oven chain in painting areas as well as for all other applications in the car body paint shop.



# REXNORD® REXTREME® ROLLER CHAIN

## RECOMMENDED CHAIN TRACTIVE POWER FOR APPROPRIATE SPEEDS\*

| Chain No.  | Temperature range from<br>-5°C to +120°C<br>admissible tractive power for |                    |                    | Temperature range<br>+120°C to +250°C<br>admissible tractive power for |                    |                    |
|------------|---|--------------------|--------------------|--|--------------------|--------------------|
|            | N<br>up to 0,25 m/s   | N<br>up to 0,5 m/s | N<br>up to 1,0 m/s | N<br>up to 0,25 m/s  | N<br>up to 0,5 m/s | N<br>up to 1,0 m/s |
| 08 B - 1XT | 850   | 600                | 450                | 500  | 400                | 300                |
| 10 B - 1XT | 1200  | 850                | 600                | 700  | 550                | 400                |
| 12 B - 1XT | 1500  | 1100               | 800                | 800  | 700                | 500                |
| 16 B - 1XT | 3500  | 2700               | 1900               | 2100   | 1600               | 1100               |
| 08 B - 2XT | 1400  | 1000               | 700                | 800  | 700                | 500                |
| 10 B - 2XT | 2100  | 1400               | 1000               | 1200   | 900                | 700                |
| 12 B - 2XT | 2600  | 1900               | 1400               | 1500   | 1200               | 800                |
| 16 B - 2XT | 6100  | 4700               | 3300               | 3600   | 2500               | 1900               |

\*Valid for minimum sprocket center distance of 1500 mm and based on 21-tooth sprockets

## EUROPEAN STANDARD - REXNORD® REXTREME® ROLLER CHAIN ISO 606 (DIN 8187)\*\*\*

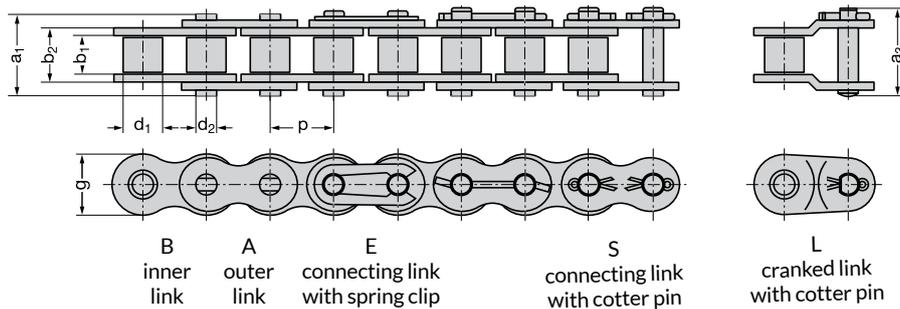
## Simplex roller chain

| Chain No.* | Pitch |        | Width between<br>inner plates | Roller diameter        | Pin diameter           | Width over<br>inner link | Plate depth | Transverse<br>pitch | Pin length             | Connecting<br>pin length | Bearing area | Required minimum<br>tensile strength<br>ISO 606 | Average tensile<br>strength | Weight | Possible with<br>straight sided plates | Loose parts |   |     |   |     |
|------------|-------|--------|-------------------------------|------------------------|------------------------|--------------------------|-------------|---------------------|------------------------|--------------------------|--------------|---|-----------------------------|--------|--|-------------|---|-----|---|-----|
|            | p     |        | b <sub>1</sub><br>min.        | d <sub>1</sub><br>max. | d <sub>2</sub><br>max. | b <sub>2</sub><br>max.   | g           | e                   | a <sub>1</sub><br>max. | a <sub>3</sub><br>max.   | A            | F <sub>U</sub>                                  | F <sub>B</sub>              | q      |  | A           | B | F** | L | S** |
|            | Inch  | mm     | mm                            | mm                     | mm                     | mm                       | mm          | mm                  | mm                     | mm                       | mm           | cm <sup>2</sup>                                 | N                           | N      |  | kg/m        |   |     |   |     |
| 08 B - 1XT | 0.50  | 12.7   | 7.75                          | 8.51                   | 4.45                   | 11.30                    | 11.6        | -                   | 16.7                   | 20.9                     | 0.50         | 17 800  | 21 000                      | 0.7    | x                                      | x           | x | x   |   |     |
| 10 B - 1XT | 0.625 | 15.875 | 9.65                          | 10.16                  | 5.08                   | 13.28                    | 14.6        | -                   | 18.9                   | 23.7                     | 0.67         | 22 200  | 25 000                      | 0.9    | x                                      | x           | x | x   |   |     |
| 12 B - 1XT | 0.75  | 19.05  | 11.68                         | 12.07                  | 5.72                   | 15.62                    | 15.9        | -                   | 22.3                   | 27.3                     | 0.89         | 28 900  | 32 000                      | 1.2    | x                                      | x           | x | x   |   |     |
| 16 B - 1XT | 1.00  | 25.40  | 17.02                         | 15.88                  | 8.28                   | 25.40                    | 20.5        | -                   | 35.4                   | 41.5                     | 2.10         | 60 000  | 80 000                      | 2.7    | x                                      | x           | x | x   |   |     |

\* Larger sizes available on request

\*\* Loose parts are produced in Rexnord RexHiProAthletic® version

\*\*\* Duplex Roller Chain also available



## Motion Control Solutions Regal Rexnord

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